IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the accompanying application of)	
P. I. CHIPMAN ET AL)	Group Art Unit:
Filed February 27, 2004)	Examiner:
METHOD OF IMPROVING THE OPERATION OF A MANUFACTURING PROCESS))	February 27, 2004

COMMISSIONER FOR PATENTS P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.

Applicants wish to bring the following to the Examiner's attention. In ethylene oxide producing plants the existing, used charge of catalyst is regularly replaced by a fresh charge of the same or a different catalyst. Applicants are aware of a plant in the USA in which a used high activity catalyst was replaced by a fresh high selectivity catalyst, more than a year prior to February 28, 2003. Applicants are also aware of an ethylene oxide producing plant in the USA in which more than a year prior to February 28, 2003 the concentration of carbon dioxide in the ethylene/oxygen feed was reduced to a level of about 1 mole percent, after replacing the high selectivity catalyst by a fresh charge of high selectivity catalyst. However, Applicants are not aware of any public use, or any commercial

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practice, in the USA of the invention as claimed in the present patent application more than a year prior to February 28, 2003.

If any fee is required, the Examiner is authorized to charge the required fee to Shell Oil Company, Deposit Account No. 19-1800.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

Respectfully submitted,

P. I. CHIPMAN ET AL

By

Their Attorney, Charles W. Stewart

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Attachment: PTO-1449 Form (Modified)



								Sheet	1 of 1		
FORM PTO-1449 (Modified) LIST OF INFORMATION PROVIDED BY APPLICANT (Use several sheets if necessary)					ATTY. DOCKET NO. TH-2429 (US)	APPLICATIO	APPLICATION NUMBER				
				D	APPLICANT P.I. CHIPMAN ET AL						
)	FILING DATE GROUP ART UNIT						
REFERENCE	DESIGN	IATION		U.S	S. PATENT DOCUMENTS			· · ·			
Examiner Initial		Document No. 4,761.394		Date	Patentee Lauritzen	Class 502	Subclass 348 216 348	Filing Date if Appropriate			
	AA			88							
	AB	4.766.105	8/88 1/95 7/89 2/93		Lauritzen	502					
	AC	5,380,697			Matusz et al	502					
	AD	4,845,296			Ahmed et al	564	477				
	AE	5,187,140			Thorsteinson et al	502	348		<u> </u>		
. 700.1	AF	5.840.932	11	/98	Evans et al	549	512	1			
	AG	6,372,925	4/	02	Evans et al	549	536				
	AH										
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		<u> </u>		FORE	IGN PATENT DOCUMENTS						
		Document No. D			Country	Class	Subclass	<u>Translation</u> Yes No			
	AL	WO-01/96324		12/01	WO						
	AM										
	AN										
	AO										
		OTHER DOCUME	NTS	(INCLUDING	AUTHOR, TITLE, DATE, P	ERTINENT PAGE	S, ETC.)				
	AR	Brunauer, Emmet	& Te	eller, J. An	m. Chem. Soc. 60 (1938)); pgs. 309-31	16.				
	AS										

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject

DATE CONSIDERED

2. This is not a representation that a search has been made.

EXAMINER

ΑT